

Work Order ID 70219

Tuesday, May 31, 2011 1:45:05 PM



Page 1

Item ID: D3297-3-0085

Accept



Setup Start



Revision ID:

Stop



Item Name: HOSE ASS'Y

Start Date: 5/31/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 6/8/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: CL Date: 11/05/31 Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3297	Rev D								

100

0.00



PURCHASING

Purchasing

Memo

0.00

Purchasing

Create D2729-1 label and include with W/O
Issue P/O: 14218
Hose Assembly as per Dwg D3297
Possible Supplier: API
Material release note is required

CL 11/05/31 TD

110

0.00



Receive & Inspect for Damage & Mat'l Certs

Packaging

Memo

0.00

Packaging

Ensure Material Release Note is attached

Pc 11/6/31 CL

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Required Date: 6/8/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 QC Quality Control	QC6- Inspect dimensions to drawing Memo	0.00 0.00				<u>24</u>			
130 Small Fab Small Fab	Small Fab Memo Install D2729-1 as per Dwg D3297 using D2182-045 Heat Shrink Batch: <u>B21864</u>	0.00 0.00							<u>ES 11/06/09</u> <u>4</u>
140 QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.00				<u>46</u>			

W/O:		WORK ORDER CHANGES						
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*NOTE: Date & initial all entries

Work Order ID 70219

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Tuesday, May 31, 2011 1:45:05 PM

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Setup Start



Revision ID:

Stop



Item Name: HOSE ASS'Y

Start Date: 5/31/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 6/8/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

150

Identify as per dwg & Stock Location 194

0.00



Packaging

Memo

0.00

Packaging

11/6/9 51(4)

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/6/13
mf
11-06-10

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

*NOTE: Date & initial all entries

• Picklist Print

Tuesday, May 31, 2011 1:45:03 PM

Page 1

Work Order ID: 70219

Parent Item: D3297-3-0085

Parent Item Name: HOSE ASS'Y



Start Date: 5/31/2011

Required Date: 6/8/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP: B ☐ 04.11.09 Added Step 5 ☐ KJ/JLM
IPP: C ☐ 04.11.09 Added Step 6 ☐ KJ verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
156005-6D0085 		Purchased		No		110	Each	0.0000	1	4			
HOSE ASS'Y													
D2182-045 		Manufactured		No		130	Each	0.0000	1	4			
Heat Shrink 4.5" Long													
D2729-1 		Manufactured		No		130	Each	0.0000	1	4			
Dart Logo label													

B21864

10/11/11 (4)

ES 11/06/08

ES 11/06/09

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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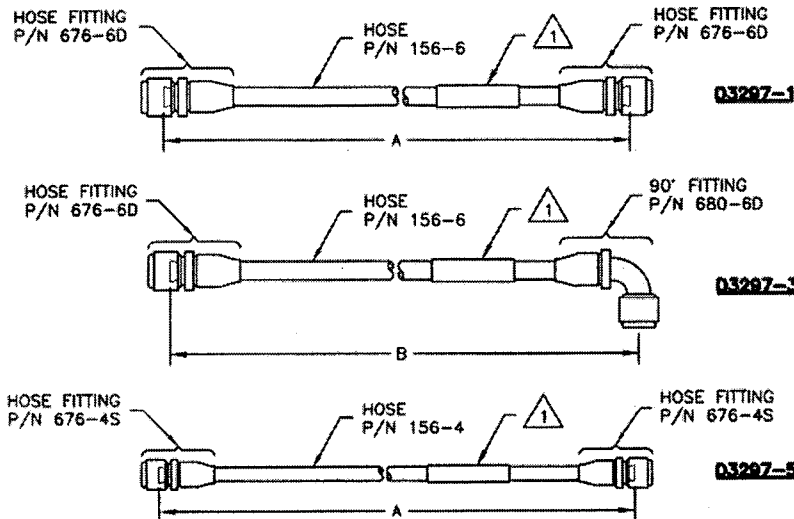
*NOTE: Date & initial all entries



DESIGN #	DRAWN BY #	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D3297	REV. D SHEET 1 OF 1
DATE 05.01.21	TITLE HOSE ASSEMBLIES		SCALE NTS
A	04.07.06	NEW ISSUE	
B	04.11.01	STRATOFLEX P/N WAS AEROQUIP P/N	
C	04.11.18	T50 CORRECTED TO TSO	
D	05.01.21	CORRECT STRATOFLEX P/N	

RELEASED
05.01.21

620219
1105131



HOSE SPECIFICATION				
DART P/N	STRATOFLEX P/N	VENDOR	A	B
D3297-1-0098	156001-6D0096	API	9.75	
D3297-1-0130	156001-6D0130	API	13.00	
D3297-1-0121	156001-6D0121	API	12.13	
D3297-3-0085	156005-6D0085	API		8.50
D3297-3-0210	156005-6D0210	API		21.00
D3297-3-0350	156005-6D0350	API		35.00
D3297-5-0410	156001-4S0410	API	41.00	

D3297-1-XXXX HOSE ASSEMBLY } WHERE XXXX REPRESENTS
D3297-3-XXXX HOSE ASSEMBLY } HOSE LENGTH IN TENTHS OF INCH
D3297-5-XXXX HOSE ASSEMBLY }

EG: 12.125" LONG: D3297-1-0121
41.00" LONG: D3297-5-0410
8.50" LONG: D3297-3-0085

NOTES:

- 1) IDENTIFY WITH DART P/N & B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) HOSE ASSEMBLIES TO MEET THE REQUIREMENTS OF TSO-C53a TYPE "A"

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W/O:		WORK ORDER CHANGES						
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			Initial Chief Eng	Action Description Chief Eng		Sign & Date			

NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO14218**

Purchase Order Date 5/31/2011

PO Print Date 5/31/2011

Page Number 1 of 1

Order From :

VC-AER002

AEROSPACE PRODUCTS INTERNATIONAL
P.O. BOX 223, STATION M
CALGARY, AB T2P 2H6
CA

Contact Name

Vendor Phone

800 214 7404

Vendor Fax

800 214 8875

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

10127-2607

Tax Resale Nbr

Net 30

Terms

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

PAID
5/11/2011

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	156001-6D0096	HOSE ASS'Y	6/6/2011 Yes	4.00 Each	FedEx PI collect	\$61.6400	\$246.56
Special Inst:			AS PER DWG D3297 REV. D B70218				
2	156005-6D0085	HOSE ASS'Y	6/6/2011 Yes	4.00 Each	FedEx PI collect	\$101.7500	\$407.00
Special Inst:			AS PER DWG D3297 REV.D B70219				
3	156005-6D0210	HOSE ASS'Y	6/6/2011 Yes	4.00 Each	FedEx PI collect	\$117.1700	\$468.68
Special Inst:			AS PER DWG D3297 REV. D B70220				

PO Total:

\$1,122.24

CERTIFICATE OF CONFORMITY
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 5/31/2011

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable



Certificate of Conformance

Customer API MONTREAL

Sales Order# 4500150337 PO# _____

Date 06/02/2011

Part#	Qty
111417-4S-0104	2
111417-4S-0112	2
156001-6D-0096	4
156005-6D-0085	4
156005-6D-0210	4

We hereby certify that all the above parts, including all materials, have been manufactured, tested, inspected and packed in conformance with all of the requirements of your order and the applicable government specifications & standards. Records of tests, inspection and certification indicating the above conformance are on file at Aerospace Products International and are available for your examination.

It is further certified that on any hose assemblies marked with a TSO, parts and/or materials reflected therein were produced under Federal Aviation Administration approved manufacturing quality control systems/methods as set forth in the FAA issued technical standard order authorized (TSOA) issued to Stratoflex and (b) such parts and/or material are new and are in condition for safe operation.

If applicable, satisfactory compliance with the conditions and test required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.

For API